REVENUE REPORT

ON THE

IRRIGATION WORKS

OF THE

AJMER-MERWARA DISTRICT,

FOR THE

YEAR ENDING 31ST MARCH 1910.



MOUNT ABU

PRINTED AT THE RAJPUTANA AGENCY PRESS

1911

RAJPUTANA AGENCY,

Public Works Department,

IRRIGATION BRANCH.

CHIEF COMMISSIONER'S REVIEW OF IRRIGATION WORKS, 1909-10.

No 57-S. of 1911.

Dated Mount Abu, the 27th January 1911.

READ :—

Endorsement No 7145-P/1-7 dated the 8th October 1910, from the Commissioner, Ajmer-Merwara, forwarding the Revenue Report on the Irrigation Works in Ajmer Merwara for the year 1909-10, together with the usual appendices

OBSERVATIONS.

1 The average rainfall during 1909 10 was 27 86 inches as against 32 65 inches in 1908-09 and a normal of 21 inches

2 From an irrigation point of view the year under report was an unusually good one

A record revenue was collected, but unfortunately working expenses were high Consequently a low percentage of net revenue on capital has to be recorded

The financial result of the year are tabulated below —

Sub-Collectorate	Total Capital Outlay including Direct Charges		Gross Revenue Collections			Working Expenses			Net Revenue	Percentage of net revenue on capital at end of 1909 10
	During year	To end of year	Irrigation Revenue	Miscellaneous Receipts	Total	Direct	Indirect	Total		
Ajmer	2 692	19,48 285	62,703	1 918	64 650	46,744	2,029	48 772	15 878	0 83
Beawar	2 611	11 06 610	55 740	972	56,712	36,460	1 536	37 996	18 716	1 69
Todgarh	2,779	4 74 158	27 0 0	217	27 257	7 402	206	7 608	19 659	4 12
Total for 1909 10	8 082	34 29 093	1 45,482	3,137	1 48,619	90 606	3,900	94 463	54 153	1 57
Total for 1908-09	7 670	34,21 001	1,35,726	3,273	1,38,999	63 267	2,066	65 333	[illegible]	2 41

A diagram of financial records up to 1909-10 is attached.

3. The following table compares the revenue assessed for the year with the area irrigated and protected:—

Sub-Collectorate.	Irrigation Revenue assessed.	Area.			Assessment per acre.
		Irrigated.	Protected.	Total.	
Ajmer	61,844	12,668¼	8,161¾	20,830	2·64
Beawar ...	32,927	6,471¾	6,429	12,901¼	2·83
Todgarh ...	25,782	3,384	1,451¾	4,835¾	5·38
Total for 1909-10 ...	1,20,553	22,434	16,098	41,330	2·87
Total for 1908-09 ...	1,33,692	23,851¼	15,816	39,667½	3·41

The irrigation revenue assessed includes all assessments due on protected as well as irrigated areas, and also the fixed yearly assessments of—
(i) Rs. 33,763 on crops irrigated from wells and
(ii) Rs. 7,335 on account of difference between dry and wet rates.

4. Of the irrigated area, 6,387 acres were cultivated under *kharif*, and 16,127 acres under *rabi* as compared with 8,318 and 15,543½ acres, respectively, in 1908-09.

Remissions to the extent of Rs. 14,688 were sanctioned during the year. The outstandings of revenue demand at the end of the year aggregated Rs. 67,077.

5. The working expenses were distributed as follows:—

Details of Working Expenses.	1908-09.	1909-10.	Increase (+) or Decrease (—).
New works, maintenance and repairs	28,722	54,808	+26,086
Establishment	21,697	34,976	+13,279
Tools and Plant	1,848	822	— 1,026
Leave and Pension allowances ...	2,066	3,860	+ 1,794
Total ... Rs.	53,333	94,466	+39,133

The working expense per acre irrigated and protected rose from 1·36 in 1908-09 to 2·27 in 1909-10, the increase being due to—

(a) larger expenditure on new works on tanks as shown below:—

Ajmer Sub-Collectorate.—

Restoration and improvements to Sadapur Tank, No. 64-463.
Raising embankment and pointing the face wall of Ramsar Tank, No. 92-232.
Strengthening dam of Kalyanpura Tank, No. 30-543.
Providing water cushions and walls for the weir of Devalia Tank, No. 33-231.
Forming a water cushion 2 feet deep, Aheran Tank, No. 1-1.

Beawar Sub-Collectorate.—

Enlarging masonry sluices of Lusani Tank-II, No. 94-266.
Restoration and improvements of Amargarh Tank, No. 1-183, and

(b) Larger expenditure incurred on the following repairs —

Ajmer Sub Collectorate —

Repairs to Barolı New Tank No 110
Repairs to Kesarpura Tank No 60 548
Entertainment of gangs repairing tanks Nasirabad Sub Division
Repairing Kesarpura Tank No 59 1174
Repairing and improving Chachiawas Tank No 27 762

Beawar Sub Collectorate —

Repairs to Karjala Tank at Rajor No 116 333
Repairs to Gyanwalla Tank, No 119 66 at Rampura
Repairs to Bichuchora Tank, No 115 73

C The value of crops raised on 41 590 acres during the year was estimated at Rs 10 15 219 a record figure The principal crops were wheat barley mixed grains cotton and maize and their estimated values were Rs 2 70 557, 1,84 601, 1 63 012 2 39,719 and 71 457, respectively

7 Experimental cuttings of crops were made in both the Districts In the Ajmer district five staples (barley maize cotton bejhar and gujji) were tried and in the Merwara district five staples (barley, wheat maize cotton and gujji) were tried

The results are tabulated below —

Sub-Collectorate	Staple	Highest produce per acre: Grain		Value		Straw	Value		Total value		Expenditure		Profit		Lowest produce per acre: Grain		Value			Straw		Value		Total value			Expenditure			Profit		
		Md	s	Rs	a	Md	Rs	a	Rs	a	Rs	a	Rs	a	Md	s	Rs	a	p	Md	s	Rs	a	Rs	a	p	Rs	a	p	R	a	
Ajmer	Barley	25	0	50	0	39	13	0	63	0	31	0	32	0	8	0	16	8	0	8	20	4	4	20	12	0	21	1	6	0	6	6
Merwara	Wheat	15	30	47	4	39	3	8	50	12	30	0	20	3	6	10	9	3	9	6	3	2	3	21	6	9	18	0	0	3	6	9

Statement VI appended to the report shows in detail the result of the above experiments

ORDERED —That this review together with the papers read in the preamble be printed, and 25 copies furnished to the Government of India under a covering letter, and that two advance copies be furnished to the India Office

H S WILDEBLOOD M I C E

Secretary to the Hon ble the Chief Commissioner of Ajmer Merwara in the P W D

Note by Mr H S Wildeblood M I C E Superintending Engineer, Rajputana Public Works Department, dated 8th November 1910, on the attached diagram of financial records of the Ajmer-Merwara tanks

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1 The diagram shows that the sum at charge which means the capital outlay plus the annual financial losses on excess of interest and maintenance charges over receipts by Government has steadily increased from about 35 to 45 lakhs during the past 10 years Of this the actual capital outlay accounts for an increase from about 28 to 34 lakhs and the average annual loss on interest and working has been nearly half a lakh During this period the percentage of net revenue on capital fluctuated between 1 and 3 This net revenue represents the difference between gross revenue and working expenses exclusive of interest and as interest charges are roughly about $3\frac{1}{3}$% the above net revenue is insufficient to cover them

2 The value of the crops raised is another aspect of the question which mainly affects the inhabitants of the locality

3 A possible justification for the increasing annual loss to Government and the general taxpayer would be a corresponding saving in famine relief expenditure but it is unfortunately not very clear that any such saving takes place for the simple reason that in a famine year when the rains fail the tanks are usually empty They are therefore not famine protection works in the sense that canals fed from the Himalayan snows are The result of the introduction of hundreds of tanks into Ajmer Merwara is to increase the population This increased population has to be supported at Government expense in a famine year

4 It is obvious that the annual loss to Government cannot be allowed to go on increasing indefinitely though it is not easy to suggest a remedy There are however several alternatives which suggest themselves among which I should be inclined to put the following in the foreground

(a) The gradual replacement of the tank system by one of wells except in the case of tanks which are paying concerns
(b) The extension of forest area as a means of retaining the under ground well water
(c) The building of masonry or puddle cross walls below ground level and across valleys with the same object

5 I presume that the limit of desirable taxation of the benefitting landlords and tenants who raise the crops has been reached This is a question for the revenue authorities

H S WILDEBLOOD M I C E

Superintending Engineer P W D Rajputana

The Chief Commissioner is constrained to record his entire dissent from the personal views recorded in the above note by Mr Wildeblood He considers that they indicate a completely erroneous view of the elementary meaning of a protective work

The tanks in Ajmer Merwara have been constructed as protective works in a country which is peculiarly liable to famine and they have constantly justified their existence and the expenditure incurred on them notably in

1840, 1865, 1866, 1881, 1884, and 1888. These are only some well known instances. There have of course been years of deficient rainfall and famine, when the tanks have not filled; but the fact that they have saved the situation in other years is sufficient, and besides this they add in normal years to the prosperity of the people, thereby giving them a better chance of withstanding scarcity or famine, when it occurs. The tanks, moreover, are admittedly of the greatest benefit in keeping up the water level of the wells situated below them. The addition of crops valued at over 10 lakhs as in the present year on tank lands only, must contribute largely to the power of resistance of the people, and there is a large area of well land which, though not included in the above, is indirectly dependent on tanks. The indirect benefits secured to the people by means of the tanks cannot be put into figures or shewn within the dry statistics of a report, but they are known to be very valuable. The argument used by Mr. Wildeblood based on the effect of tanks in increasing the population, is not a legitimate argument. It would obviously, if carried out to a logical conclusion, justify pure inaction in face of famine in a country where that calamity was to be expected.

The loss to Government in consequence of these tanks is not by any means so great as Mr. Wildeblood paints it. His high figures of annual loss are obtained by adding each year to the sum at charge the amount by which the profits fall short of normal profits. But there is no reason to calculate in this way. The following are the figures showing the percentage of net revenue on *capital outlay* during the last nine years:—

1901-02	...	... 3·00
1902-03	...	... 0·7
1903-04	...	... 2·6
1904-05	...	... 3·35
1905-06	...	... 1·53
1906-07	...	... 2·2
1907-08	...	... 2·35
1908-09	...	... 2·44
1909-10	...	... 1·57

If the unfavourable year, 1902-03, be excluded the return on capital outlay has averaged nearly $2\frac{1}{2}$ per cent., and it may safely be said that this is an extraordinarily high return to obtain on Protective Works.

The financial results of Protective Irrigation Works in the United Provinces for the same nine years show that the percentage of net revenue on capital outlay was a deficit quantity in 1901-02, 1902-03, and 1908-09, while in the remaining six years it averaged only ·47.

The Chief Commissioner is of opinion that the tanks in Ajmer are a solid asset of great value to the Government and to the people, and that they have contributed largely to the security of the population against the miseries and risks of famine.

(Sd.) H. S. WILDEBLOOD,
Secretary to the Hon'ble the Chief Commissioner
in the Public Works Department, Rajputana.

REVENUE REPORT

ON THE

IRRIGATION WORKS

OF THE

AJMER-MERWARA DISTRICT

FOR THE

YEAR ENDING 31st MARCH 1910.

I *Rainfall*—The average rainfall during the year 1909-10 amounted to 27·86 inches as against 32·65 inches in the previous year and against a normal fall of 21 inches

From an irrigation point of view, the year under report was on the whole fair

II *Classification of Tanks*—There was no change in the classification of tanks during the year under report

III *Capital Outlay*—The total capital outlay to the end of March 1910 amounted to Rs 31,29,083 The expenditure incurred during the year was Rs 8,082 as detailed below —

DIRECT CHARGES —

Works establishment, tools and plant and suspense account, Rs 6,031

INDIRECT CHARGES —

Capitalization and leave and pension allowances ,, 2,051

IV *Assessed Revenue*—The gross revenue assessed during the year under report is compared below with the figures of the previous four years —

	1908-09	*1909-10*
Ajmer	63,414	63,010
Merwara	75,259	79,860
P W D	237	469
Total	1,38,910	1,43,330

1909-10	.. Rs	1,43,339
1908-09	,,	1,38,910
1907-08	,,	1,45,410
1906-07	,,	1,41,463
1905-06	,,	83,156

The assessments of 1909-10 and 1908-09 for the different classes of tanks are compared in the following table —

Class of Tanks	1908-09			1909-10			Difference
	Ajmer	Merwara	Total	Ajmer	Merwara	Total	
	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Crop rate Tanks	4,768	10,620	15,388	6,030	14,185	20,215	+4,827
Variably assessed Tanks	34,478	19,663	54,141	34,013	20,419	54,432	+291
Fixed Tanks	6,038	17,759	23,797	5,592	18,039	23,631	−166
Share of well assessment and difference between wet and dry rates	15,976	27,217	43,193	15,976	27,217	43,193	
Miscellaneous	2,154		2,154	1,399		1,399	−755
Total	63,414	75,259	1,38,673	63,010	79,860	1,42,870	+4,197
ADD—amount realized by the Public Works Department	27	210	237	153	316	469	+232
Grand Total	63,441	75,469	1,38,910	63,163	80,176	1,43,339	+4,429

V. *Assessed area.*—The total area assessed for both the harvests amounted to 41,590 acres as against 39,698 acres in the preceding year. It is compared below with the figures of the previous five years:—

Years.			*Acres.*
1904-05	...	...	21,173
1905-06	...	...	11,866
1906-07	...	...	34,115
1907-08	...	...	38,103
1908-09	...	...	39,698
1909-10	...	...	41,590

The figures of the *kharif* and *rabi* cultivation of the two previous years are compared with those of 1909-10 in the following table:—

Years.		*Kharif.*	*Rabi.*	*Total.*
		Acres.	Acres.	Acres.
1907-08	..	18,340	19,763	38,103
1908-09	...	13,824	25,874	39,698
1909-10	...	15,579	26,011	41,590

VI. *Demand, Collections and Balances.*—The following table shows the figures of the demand, collections and balances of the year 1909-10 as compared with those of the five previous years:—

District or Tehsil.	Assessment of the year.	Balance of last year		Total.	Deduct for this year.					Actual Collections.
		Due at the end of the year	Not due at the end of the year.		Balance due at the end of the year including suspensions.	Balance not due at the end of the year.	Remissions.	Adjustment of excess collections.	Total.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ajmer	63,010	6,577	28,143	97,730	2,514	28,234	2,486	...	33,234	64,496
Beawar	53,665	17,396	23,902	94,963	3,411	24,157	10,917	...	38,485	56,478
Todgarh	26,195	7,084	8,854	42,133	402	8,352	6,233	...	14,987	27,146
Total ..	1,42,870	31,057	60,899	2,34,826	6,327	60,743	19,636	...	86,706	1,48,120
Add—amount realised by the Public Works Department ...	469	...	...	469	...	...	...	...	...	469
Grand Total ...	1,43,339	31,057	60,899	2,35,295	6,327	60,743	19,636	...	86,706	1,48,589
Figures for .—										
1908-09	1,38,910	58,807	47,359	2,45,076	31,057	60,899	14,287	...	1,06,243	1,38,833
1907-08	1,45,410	41,509	44,394	2,31,313	58,807	47,359	6,936	...	1,13,102	1,18,211
1906-07	1,41,463	44,392	20,978	2,06,833	41,509	44,394	8,372	...	94,275	1,12,558
1905-06	83,156	24,435	23,380	1,30,871	44,392	20,978	3,608	...	68,978	61,893
1904-05	1,10,120	27,092	37,561	1,74,773	24,335	23,380	1,970	...	49,685	1,25,088

VII. *Remissions and Suspensions.*—Out of the total demand of Rs. 2,34,826, the amount remitted during the year was Rs. 19,636 excluding Rs. 89 on account of the year 1909-10, which will be taken into account next year.

VIII. *Working Expenses*—The working expenses amounted to Rs. 94,466 as against Rs. 55,333 in 1908-09 and Rs. 37,852 in 1907-08. The details of expenditure in accordance with the statement furnished by the Examiner,

Public Works Accounts, are set forth below —

*Works and Repairs	Rs	54,808
Establishment	„	26,375
Tools and Plant	„	822
Total	Rs	82,005

(a) Revenue management	Rs	8 601
(b) Cost of maintenance	„	82,005*
(c) Indirect charges	„	3,860
Total	Rs	94 466

The expenditure of the year as compared with that of the previous year, shows an increase of Rs 39 133

IX *Percentage on Revenue and Area assessed* —The working expenses, which amounted to Rs 94 466, were below the gross revenue (Rs 1,43 339) assessed for the year under Report

The incidence of the working expenses on the area assessed was Re 1 on 44 acre

X *Net Revenue and the results of the year's working* —The net revenue was as under —

Revenue collections	Rs	1,48 589
Deduct—Working expenses	„	94 466
Net Revenue	Rs	54 123

XI *Experimental cuttings* —During the year, experiments were made for ascertaining the outturn of cotton barley maize bejar gujji and wheat The results are shown in Statement No VI prescribed under rule 53 of the Ajmer Irrigation Rules

XII *Measurement of water in wells* —The measurement of the spring level of 474 wells was taken in September 1909 and April 1910 by the Revenue department These wells are classed as under —

	Benefitted by Tanks	Independent of Tanks.
Ajmer	66	38
Merwara	201	169
Total	267	207

Detailed information for Ajmer and Merwara regarding these wells will be found in separate *Statement No VII appended to this report*

XIII *Area and value of different kinds of crops* —The total area and estimated value of the produce of different kinds of crops irrigated in 1909-10 and 1908 09 are compared in the following table —

District	Crop Rate Tanks		Fixed and Variable Tanks		Total for 1909 10		Total for 1908-09	
	Area	Estimated value	Area	Estimated value	Area	Estimated value	Area	Estim[ated] val[ue]
	Acres	Rs	Acres	Rs	Acres	Rs	Acres	
Ajmer	1,437½	40,016	19,412½	5,35 626	20,850	5,75,642	18,044½	4,62
Merwara	3,206¼	82,145	19,101	3 57,462	22,307½	4,39 607	21,653	4,50
Total	4,644	1,22,161	38,513½	8 93,088	43,157½	10,15,249	39,697½	9,12

W C R STRATTON, Lt Col,

Commissioner, Ajmer Merwara

Irrigation Works in Rajputana.

Memo explaining the increase in the working expenses of 1909-10, compared with those of 1908-09

Working expenses	1908-09	1909-10	Difference between actuals, 1908-09 & 1909 10	Explanation of difference.
	Rs	Rs	Rs	
Extensions & Maintenance	29,722	54,808	25,086	*Due to more expenditure on repairs* to tanks in Ajmer and Beawar Sub-Collectorates
Establishment	21,697	34,976	13,279	Due to proportionate more charge on account of above.
Tools and Plant ...	1,848	822	—1,026	Under orders of the Local Administration the cost of Tools and Plant of Ajmer Provincial Division has been charged to civil works with effect from 1st April 1909, Rs 822 represents 1½ per cent on the outlay of Rs. 54,808 on account of Extensions and Maintenance
Leave & Pension allowances	2,066	3,860	1,794	Due to increase under establishment
Total ...	55,333	94,466	39,133	

M. W. CLIFFORD,

Examiner, P. W. Accounts,
Rajputana and Central India

-B

Capital Account of Irrigation Works in Rajputana for, and to end of, 1909-10.

DURING THE YEAR.

Name of Works.	Direct charges. Works.	Establishment.	Tools and Plant.	Profit and loss.	Loss by exchange.	Suspense account.	Total.	Deduct receipts on capital accounts.	Total.	Indirect charges. Capitalization.	Leave and Pension allowances.	Total.	Grand Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.			Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
inor Works & Navigation,													
Works in operation—													
'anks in Ajmer Sub-Collectorate	1,722	828	26	...	...	...	2,576	...	2,576	...	116	116	2,692
" Beawar "	1,670	804	25	...	...	...	2,499	...	2,499	...	112	112	2,611
" Todgarh "	...	...	...	...	...	956	956	...	956	1,823	...	1,823	2,779
Total ... Rs.	3,392	1,632	51	...	...	956	6,031	...	6,031	1,823	228	2,051	8,082

TO END OF THE YEAR.

Name of Works.	Direct charges. Works.	Establishment.	Tools and Plant.	Profit and loss.	Loss by exchange.	Suspense account.	Total.	Deduct receipts on capital accounts.	Total.	Indirect charges. Capitalization.	Leave and Pension allowances.	Total.	Grand Total.
1	15	16	17	18	19	20	21	22	23	24	25	26	27
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
inor Works & Navigation,													
Works in operation—													
'anks in Ajmer Sub-Collectorate	14,54,173	3,05,199	17,199	3,518	167	...	17,80,276	990	17,79,286	20,154	48,845	68,999	18,48,285
" Beawar "	8,12,885	2,28,563	13,333	...	...	...	10,54,781	396	10,54,385	14,783	37,472	52,255	11,06,640
" Todgarh "	3,69,718	78,278	3,243	...	...	2,151	4,53,723	...	4,53,720	9,157	11,281	20,438	4,74,158
Total ... Rs.	26,36,806	6,12,040	33,775	3,518	167	2,151	32,88,777	1,386	32,87,391	44,094	97,598	1,41,692	34,29,083

I-C.

Statement showing the financial results of Irrigation Works in Rajputana for the year ended 31st March 1910.
Realisations under main heads of Revenue and Working expenses

REVENUE.

Name of Works.	Actual receipts. Irrigation. Water rates directly paid.	Share of Land Revenue.	Total.	Navigation.	Plantations.	Water power.	Miscellaneous.	Total.	Refund of Revenue.	Gross Revenue, less Refunds.
1	2	3	4	5	6	7	8	9	10	11
Minor Works & Navigation. *Works in operation*—	Rs.	Rs.	Rs.				Rs.	Rs.		Rs.
Tanks in Ajmer Sub-Collectorate	6,615	56,087	62,702	...	...	...	1,918	64,650	...	64,650
" Beawar "	10,677	45,063	55,740	...	...	...	972	56,712	...	56,712
" Todgarh "	3,294	23,746	27,010	...	...	...	217	27,257	...	27,257
Total ... Rs.	20,586	1,24,800	1,15,182	...	...	...	3,137	1,18,010	...	1,18,610

WORKING EXPENSES.

Name of Works.	Revenue management. Establishment. Direction.	Executive.	Navigation.	Civil officers.	Total Revenue management.	Maintenance. Establishment. Direction.	Executive.	Medical.	Total.	Works.	Repairs.	Sundries.	Tools and Plant.	Plantations.	Total cost of maintenance.	Indirect charges.	Grand Total, Working expenses.	Net Revenue.
1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Minor Works & Navigation. *Works in operation*—				Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Tanks in Ajmer Sub-Collectorate	...	...	...	3,947	3,947	5,635	8,127	...	13,762	3,715	24,891	...	429	...	42,797	2,028	48,772	15,878
" Beawar "	...	...	...	3,013	3,013	4,401	6,349	...	10,750	7,120	15,212	...	335	...	33,417	1,536	37,996	18,716
" Todgarh "	...	...	...	1,641	1,641	763	1,100	...	1,863	303	3,567	...	58	...	5,791	296	7,698	19,559
Total ... Rs.	...	...	...	8,601	8,601	10,799	15,576	...	26,375	11,138	43,670	...	822	...	82,005	3,860	91,166	54,153

II-C.

Statement shewing the financial results of Irrigation Works in Rajputana for the year ended 31st March 1910, based on actual receipts

Principal results of operation for the year ended 31st March 1910

Irrigation	Direct and Indirect Capital outlay to end of 1909 10	Gross receipts, Direct and Indirect, from all sources	Working expenses, Direct and Indirect	Net Revenue excluding charges for interest	Percentage of Net Revenue on capital outlay to end of the year	Interest at 3 308 per cent on the outlay to end of the year *minus* half the outlay of the year, excluding expenditure met from specific borrowings.	Surplus Revenue after paying Interest on Direct Capital outlay		Excess charges including Interest on Direct Capital outlay	
							Amount	Percentage on total sum at charge	Amount	Percentage on total sum at charge
1	2	3	4	5	6	7	8	9	10	11
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Minor Works and Navigation										
Works in operation—										
Tanks in Ajmer Sub Collectorate	18,48,285	64 650	48,772	15,878	86	59,705			43,827	2 37
" Beawar "	11,06,640	56,712	37,996	18,716	1 69	35 364			16,648	1 50
" Todgarh "	4,74,158	27,257	7,698	19,559	4 12	15,220	4,339	92		
Total Rs	34,29,083	1,48,619	94 466	54,153	1 58	1,10,289			56,136	1 64

M W CLIFFORD,

Examiner, P W Accounts Rajputana & Central India

IV C.

Statement showing the financial results of Irrigation Works in Ajmer-Merwara for the year 1909-10, based on assessment of the year 1317 Fasli
Principal results and operations for the year ended the 31st March 1910

Class of Works	Capital Outlay direct and indirect) to end of the year	Revenue Assessment during the Year								Working Expenses, direct and indirect	Net assessed revenue of the year	Percentage on Capital Outlay to end of the year
		Direct Revenue.			Indirect Revenue				Grand Total			
		Water Revenue	Miscellaneous	Total	Water Revenue	Share of well assessment	Difference between dry and wet rates	Total				
Crop Rate Tanks		Rs	Rs	Rs	Rs.	Rs	Rs	Rs	Rs	Rs		
Ajmer Sub Collectorate		5,763	267	6,030					6,030	720		
Beawar do		10,935	190	11,125					11,125	218		
Todgarh do		3,025	35	3 060					3,060	254		
Total		19,723	492	20,215					20,215	1,192		
Fixed and Variably Assessed Old Tanks												
Ajmer		611	1,399	2,010	38,994	12,471	3,505	54,970	56 980	2		
Beawar		230	548	778	27,689	10,769	3,301	41,762	42,540			
Todgarh		92	71	163	9,828	12,558	586	22,972	23,135			
Total		933	2,018	2,951	76,511	35,798	7,395	1,19,704	1,72,655	2		
Grand Total		20,656	2,510	23,166	76,511	35,798	7,395	1,19,704	1,42,870	1,194		

W C R STRATTON, Lt-Colonel

Commissioner, Ajmer-Merwara

1. E.

Statement of Areas irrigated by Irrigation Works in the Ajmer-Merwara Districts during the year 1909-10.

Class of works.	Areas irrigated and unirrigated (in acres).									Average discharges per c. ft. per second.				Areas irrigated per cubic foot per second.				Remarks.
	Kharif.		Rabi.		Total.	Flow.	Lift.	Double Cropped		At Head.		Utilized.		Discharged at Head.		Utilized.		
	Irrigated.	Unirrigated	Irrigated.	Unirrigated or Protected				Area Irrigated.	Percentage of Total area.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Crop-Rate Tanks.																		
Ajmer	318	42	966½	111	1,437½	1,057½	227	20	1 56									
Beawar...	468½	54	1,685	237	2,441½	2,138½	15	241	11 19									
Todgarh	106	13½	503	17	639½	472	137	90	14·78									
Total ...	892½	109½	3,154½	365	4,521½	3,668	379	351	8 66									
Fixed and Variably Assessed Tanks.																		
Ajmer	3,149½	4,618	8,224½	3,420½	19,412½	10,849	525	5,333	46 88									
Beawar	2,162	3,051½	5,156	3,080½	13,450	6,571½	746½	826	11·28									
Todgarh	163	1,433	2,592	18	4,206	1,861	891	123	4·46									
Total ...	5,471½	9,102½	15,972½	6,519	37,068½	19,281½	2,165½	6,282	29·29									
Grand Total ...	6,367	9,212	19,127	6,884	41,590	22,949½	2,544½	6,643	26 05									

W. C. R. STRATTON, Lt.-Colonel,

Commissioner, Ajmer-Merwara.

I-E

Statement of Area irrigated by Irrigation Works in the Ajmer Merwara Districts during the year 1909-10

NAME OF WORK	AREA IRRIGATED (IN ACRES)							AVERAGE DISCHARGE PER C FT PER SECOND				AREA IRRIGATED PER C FT PER SECOND				REMARKS
						Double cropped		*At head*		*Utilized*		*Discharged at head*		*Utilized*		Number of cubic feet of stored water used per acre of irrigation
	Kharif	Rabi	Total	Flow	Lift	Area irrigated	Percentage of total area	Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Bir Tank		370	370	370												Kharif Nil Rabi 51 962 c ft
Rajosi Tank	48	168½	216½	216½												Kharif 61 978 ,, Rabi 78 359 ,,
Jalia New Tank	274	742	1 016	1 016		127	12 5									Kharif 35 379 Rabi 1,48 192 ,,
Balad new or old Tank	177	864	1,041	1 038	3	93	8 93									Kharif 14 730 ,, Rabi 66 161 ,,
Chitar Tank	1	28	29	28	1	1	3 45									Kharif No account ,, Rabi 92,969 ,,

H C SANDERS

Executive Engineer Ajmer Provl Division

BRIJ JEWAN LALL

Revenue Extra Asstt Commissioner, Ajmer-Merwara

I. E.

Statement of Areas irrigated by Irrigation Works in the Ajmer-Merwara Districts during the year 19[illegible]-10.

Class of works.	Areas irrigated and unirrigated in acres — Kharif. Irrigated.	Kharif. Unirrigated.	Rabi. Irrigated.	Rabi. Unirrigated.	Total.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] At Head.	[illegible]	[illegible]	[illegible]	[illegible] At Head.	[illegible]	[illegible]	[illegible]	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Crop-Rate Tanks.																		
Ajmer	318	12	[illegible]	111	1,457[illegible]	1,077[illegible]	[illegible]	[illegible]	[illegible]									
Beawar...	168[illegible]	54	1,685	237	2,144[illegible]	[illegible]	15	[illegible]	[illegible]									
Todgarh	106	13[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
Total ...	592[illegible]	[illegible]	3,151[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
Fixed and Variably Assessed Tanks.																		
Ajmer	3,119[illegible]	1,618	8,224[illegible]	3,120[illegible]	19,112[illegible]	[illegible]	[illegible]		[illegible]									
Beawar	2,102	3,051[illegible]	5,150	[illegible]	13,1[illegible]	6,571[illegible]	718[illegible]	[illegible]	[illegible]									
Todgarh	163	1,133	2,592	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
Total ...	5,471[illegible]	9,102[illegible]	15,972[illegible]	6,519	[illegible]	19,241[illegible]	[illegible]	[illegible]	[illegible]									
Grand Total ...	6,367	9,212	19,127	6,884	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									

W. C. R. STRATTON, Lt.-Colonel,
Commissioner, Ajmer-Merwara.

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1-E

Statement of Area irrigated by Irrigation Works in the Ajmer-Merwara Districts during the year 1909-10

Name of Work	Area irrigated (in Acres)							Average discharge per c ft per second				Area irrigated per c ft per second				Remarks
						Double cropped		At head		Utilized		Discharged at head		Utilized		Number of cubic feet of stored water used per acre of irrigation
	Kharif	Rabi	Total	Flow	Lift	Area irrigated	Percentage of total area	Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Bir Tank		370	370	370												Kharif Nil Rabi 51 962 c ft
Rajosi Tank	48	168½	216½	216½												Kharif 61 978 ,, Rabi 78 359 ,,
Jalia New Tank	274	742	1,016	1 016		127	12 5									Kharif 35 379 ,, Rabi 1,48 192 ,,
Balad new or old Tank	177	864	1,041	1 038	3	93	8 93									Kharif 11 730 ,, Rabi 66,161 ,,
Chitar Tank	1	28	29	28	1	1	3 45									Kharif No account Rabi 92,969 ,,

H C SANDERS,

Executive Engineer, Ajmer Provl Division

BRIJ JEWAN LALL,

Revenue Extra Asstt Commissioner, Ajmer-Merwara.

II-E.

Statement showing Incidence of Working Expenses and Assessed Water Revenue on Irrigation Works in Ajmer-Merwara during the year 1909-10.

Class of Works.	Average discharge of the year at duct head in cubic feet per second.	Water Revenue Assessed.				Working expenses, direct and indirect.	Acres irrigated during the year.	Working Expenses.		Water Revenue per acre irrigated.		Remarks.
		Direct.	Indirect.	Miscellaneous.	Total.			Per cent. on Gross Revenue.	Per Acre Irrigated.	Direct.	Indirect.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs					
Crop-Rate Tanks.												
Ajmer Sub-Collectorate ...	...	5,763	...	267	6,030	720	1,437½	11·94	·50	4·01		
Beawar do. ...	...	10,935	...	190	11,125	218	2,444½	1·96	·08	4·47		
Todgarh do. ...	...	3,025	...	35	3,060	254	639½	8·30	·39	4·73		
Total ...	...	19,723	...	492	20,215	1,192	4,521½	5·89	·26	4·36		
Fixed and Variably Assessed Tanks.												
Ajmer Sub-Collectorate ...	...	611	54,970	1,399	56,980	2	19,412½	...	...	·03	2·83	
Beawar do. ...	...	230	41,762	548	42,540	...	13,450	...	...	·02	3·10	
Todgarh do. ...	...	92	22,972	71	23,135	...	4,206	...	...	·02	5·46	
Total ...	...	933	1,19,704	2,018	1,22,655	2	37,068½	...	...	·02	3·23	
Grand Total ..	...	20,656	1,19,704	2,510	1,42,870	1,194	41,590	...	...	...	...	

W. C. R. STRATTON, Lt.-Col.,

Commissioner, Ajmer-Merwara.

IRRIGATION FORM II-E

Statement showing Incidence of Working Expenses and Assessed Water Revenue on Tanks in Ajmer Merwara during 1909 10

Name of Work	Average discharge of the year at Canal head c ft per second	Water Rate Assessed					Gross Assessed Revenue from all sources	Working Expenses, Direct and Indirect	Area Irrigated during the year	Working Expenses			Occupiers Rate		Total Water Rate Direct or Indirect		Remarks
		Occupiers	Owners	Direct	Indirect	Total Direct and Indirect				Percentage on Gross Revenue	Per acre Irrigated	Per cubic foot per second of discharge of Canal head	Per acre Irrigated	Per cubic foot per second of discharge of Canal head	Per acre Irrigated	Per cubic foot per second of discharge of Canal head	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
									Acres								
Bir Tank				1,239		1,239	1,318	82	370	6 24	22 16				3 35		
Rajosi Tank				815		815	851	84	216½	9 87	39 0				3 76		
Jal a New Tank				5,181		5,181	5,253	74	1,016	1 40	7 28				5 09		
Bilal New or Old Tank				5,235		5,235	5,331	72	1,041	1 35	6 91				5 03		
Chillar Tank				115		145	158	72	29	45 57	218 3				5 00		

H C SANDERS,
Executive Engineer, Ajmer Provincial Division

BRIJ JEWAN LALL
Revenue Extra Assistant Commissioner, Ajmer-Merwara

III-E.

Statement of Quantity and Value of Crops irrigated and unirrigated in the Ajmer-Merwara Districts during the year 1909-10.

Name of Crop.	Crop-Rate Tanks.								Variable and Fixed Tanks.								Grand Total.	
	Ajmer Sub-Collectorate.		Beawar Sub-Collectorate.		Todgarh Sub-Collectorate.		Total.		Ajmer Sub-Collectorate.		Beawar Sub-Collectorate.		Todgarh Sub-Collectorate.		Total.			
	Area.	Estimated value.	Area.	Estimated value.	Area.	Estimated value.	Area.	Estimated value.	Area.	Estimated value.	Area.	Estimated value.	Area.	Estimated value.	Area.	Estimated value.	Area.	Estimated value.
Gardens and Orchards—Vegetable, Fruit and other trees ...	4	351	...	...	½	10	4½	361	69	3,223	...	...	79	2,343	148	5,566	152½	5,927
Sugarcane	...	...	1	264	2	240	3	504	...	...	...	...	15½	1,307	15½	1,307	18½	1,811
Cereals — Wheat ...	159	5,287	527	16,751	163½	9,320	849½	31,358	2,987	1,40,288	1,886	51,258	865½	38,653	5,729½	2,39,199	6,579	2,70,557
Cereals — Barley ...	409½	9,188	434	5,257	212	6,471	1,055½	20,916	3,677	94,818	3,075½	43,899	1,173½	24,968	7,926	1,63,685	8,981½	1,84,601
Cereals — Rice ...	...	...	...	...	6	53	6	53	23	820	10	36	41	419	74	1,275	80	1,328
Cereals — Maize ...	17	200	115	564	69	568	201	1,332	2,829½	31,571	3,705½	30,566½	1,089	10,988	7,624	73,125½	7,825	74,457½
Cereals — Jowar ...	12	35	31	...	...	...	43	35	1,277	5,192	214	557½	26	165	1,517	5,914½	1,560	5,949½
Cereals — Bajra ...	12	123	3	...	1	40	16	163	94	426	30	110½	1	10	125	564½	141	709½
Mixed grains...	411	10,336	836½	17,154	134½	4,040	1,382	31,530	2,606½	76,610	2,493½	45,075	309	9,797	5,409	1,31,482	6,791	1,63,012
Pulse ... Gram ...	18	474	11	117	...	...	29	591	1,417½	12,894	235	2,540	37	1,021	1,719½	16,455	1,748½	17,046
Pulse ... Mung, Moth...	2	4	9	22	...	...	11	26	130	636	326	1,410½	38	222	494	2,268½	505	2,294½
Pulse ... Chowla, Urad&c	...	...	...	...	...	6	...	6	...	...	...	...	161	1,018	161	1,018	161	1,024
Fodder Crops–Lucerne, &c.	Less share on acre.	10.	...	...	½	...	½	10	4	235	1	...	...	...	5	235	5½	245
Fibres—Cotton ...	308	11,632	427½	18,916	23	624	758½	31,172	2,978	1,33,265	1,749	70,762	94	4,550	4,821	2,08,577	5,579½	2,39,749
Oil Seeds—Til ...	8	86	9	30	11	114	28	230	368	1,823	294	2,637	271½	4,653	933½	9,113	961½	9,343
Drugs and Narcotics. Tobacco	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Drugs and Narcotics. Opium	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Miscellaneous ...	77	2,290	163	1,368	16½	216	256½	3,874	922	24,825	875½	8,299	14	197	1,811	33,321	2,068	37,195
Land insufficiently irrigated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1,437½	40,016	2,567	60,443	639½	21,706	4,644	1,22,161	1,19,412½	5,35,626	14,895	2,57,151	4,206	1,00,311	38,513½	8,93,088	43,157½	10,15,249

W. C. R. STRATTON, Lt.-Col.,

Commissioner, Ajmer-Merwara.

IV-E

Comparative Statement of Irrigation and Rainfall for the year 1909 10 in the Ajmer Merwara Districts

Civil District	Of the Civil District: Total area in acres	Culturable area in acres	Cultivated area in acres	Works Supplying Irrigation: No	Name	Culturable area commanded by the Irrigation Works in Column 6 in acres	Area at present estimated as annually irrigable by the works specified in Column 6	Area Irrigated in Acres: 1908 1909: Kharif	Rabi	Total	1909 1910: Kharif	Rabi	Total	Rainfall in Inches: 1908 09	1909 10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Crop-Rate Tanks															
Ajmer Sub Collectorate				1	Crop Rate Tanks		1,122	50	930½	980½	318	960½	1,281½		
Beawar "							1,800	32	1,491	1,523	468½	1,685	2,153½		
Todgarh "							351	59¼	518¼	577¾	106	503	609		
Total							3,237	141½	2,939¾	3,081¼	892½	3,154½	4,047		
Variable Tanks															
Ajmer Sub Collectorate	3,55,887	1,90,093	1,71,819	2	Variable Tanks	7,187	11,154	2,093½	7,555	9,578½	2,892	7,562	10,454	Ajmer 31 45	Ajmer 29 26
Beawar "	[illegible],03,080	[illegible],319	60,938			6,352	5,000	702	3,412	4,114	1,227	3,050	4,277	Merwara 33 85	Merwara 26 32
Todgarh "	1,72,[illegible]28	32,810	21,332			740	981	131½	1,000½	1,135	90	890	980		
Total	7,30,995	2,5[illegible] 102	2,53,08[illegible]			14,279	17,135	2,860	11,967½	14,827	4,209	11,502	15,711		
Fixed Tanks															
Ajmer Sub Collectorate				3	Fixed Tanks	2,168	2,399	130	612½	742½	257½	662½	920		
Beawar "						6,780	3,000	609	2,436	3,015	935	2,106	3,041		
Todgarh "						1,747	1,957	79	1,586¼	1,665¼	73	1,702	1,775		
Total						10,995	8,356	818	4,634¾	5,422¾	1,265½	4,470½	5,736		
Total						25,274	28,764	3,819½	19,542	23,361¼	6,367	19,127	25,494		

Note—When a Civil District is Irrigated from two or more Irrigation Works, Columns 7 14 inclusive, should be totalled separately for each Civil District so irrigated

W C R STRATTON, Lt Colonel,
Commissioner, Ajmer-Merwara

STATEMENT F.

Statement showing the Operations of Irrigation Works in the Ajmer-Merwara Districts for the year 1909-10.

Class of Works.	Amount due, 1909-10.						Remissions.		Suspensions.		Balance.					
	Water Revenue.		Miscellaneous.	Share of well assessment.	Difference between wet and dry rates.	Total.	Kharif.	Rabi.	Kharif.	Rabi.	Water Revenue.		Miscellaneous.	Share of Chahi Assessment.	Difference between wet and dry rates.	Total.
	Kharif Fasli.	Rabi.									Kharif.	Rabi.				
Crop-Rate Tanks.																
Ajmer Sub-Collectorate ...	1,589	4,174	267	...	...	6,030	...	...	...	..	1,589	4,174	267	...	...	6,030
Beawar do.	2,384	8,551	190	...	...	11,125	...	*55	...	...	2,329	8,551	190	...	...	11,070
Todgarh do.	476	2,549	35	...	...	3,060	...	...	...	...	476	2,549	35	...	...	3,060
Total ...	4,449	15,274	492	...	...	20,215	...	55	...	...	4,394	15,274	492	...	...	20,160
Variable & Fixed Tanks.																
Ajmer	15,545	2,460	1,399	12,471	3,505	56,980	...	...	...	...	15,545	24,060	1,399	12,471	3,505	56,980
Beawar	12,313	15,606	548	10,769	3,304	42,540	...	*34	...	...	12,279	15,606	548	10,769	3,304	42,506
Todgarh	4,117	5,803	71	12,558	586	23,135	...	...	...	...	4,117	5,803	71	12,558	586	23,135
Total ...	31,975	45,469	2,018	35,798	7,395	1,22,655	...	34	...	...	31,941	45,469	2,018	35,798	7,395	1,22,621
Grand Total ...	36,424	60,743	2,510	35,798	7,395	1,42,870	...	89	...	...	36,335	60,743	2,510	35,798	7,395	1,42,781

*This has not been taken into account in Statement III-C, because the sanction of the higher authority to its remission was received after the close of the official year, 1909-10.

W. C. R. STRATTON, Lt.-Col.,
Commissioner, Ajmer-Merwara.

STATEMENT VI.

STATEMENT

Statement of Experimental cuttings of Crops in

TANK.	Village.	Mame of Cultivator.	Harvest and Area of field.	Area cut.	Distance of Field from Tank.	Whether irrigated by lift, or flow, and number of waterings.	Weight of Grain cut.
1	2	3	4	5	6	7	8
AJMER	TAHSIL.			Bis.	Feet.		Mds. s. c.
Sikolao ..	Ararka ...	Pertab ...	Cotton 1,293	5	363	Unirrigated.	0 14 13
Do.	Do.	Bacha, etc. ...	Barley 128	5	817	Thrice.	1 15 0
Ghugrawala ...	Ghugra ...	Dhanna ...	Maize 429	5	Connected with water	Once.	0 37 8
Do.	Do.	Amra ...	Barley $3\frac{3}{2}9$	5	300	Tank twice.	1 0 0
Akhriwala ...	Akhri ...	Narsingh Das.	Maize 154	5	197	Flow twice.	0 15 0
Makarwaliwala...	Makarwali ...	Birdha, etc. . .	Maize 686	5	418	...	0 20 0
Do.	Do.	Sheonath ...	Bajar 772	5	2,706	Thrice.	1 10 0
Lohāgalwala ...	Lohagal ...	Shera ...	Maize 574	5	574	Flow once.	0 22 8
Do.	Do.	Ganesha ...	Barley 515	5	1,585	„ thrice.	0 33 8
Choursiawaswala.	Choursiawas ...	Pertab ...	Gujji 419	5	672	„ „	0 30 0
Tilorniawala ...	Tilornia ...	Chaturpuri ...	Barley 387	5	207	Well four times	1 30 0
Bhim ...	Chachiawas ...	Roopa ...	Barley 469	5	924	Flow once.	0 37 8
Do. ...	Tihari ...	Bhagirath ...	Cotton $1\frac{3}{1}45$	5	500	Thrice.	0 38 8
Do. ...	Do.	Moolchand ...	Barley 1,091	5	400	„	2 20 0
Barlawala ..	Barla ...	Khunman ...	Cotton 610	5	300	Twice.	2 0 0
Do.	Do.	Moti... ...	Barley 631	5	200	Thrice.	2 8 0
Ramsagar ...	Nareli ...	Kalla ...	Cotton 2102	5	300	Twice.	1 7 0
Do.	Do.	Panna ...	Maize 801	5	1,300	...	0 10 0
Do.	Do.	Makna ...	Barley 2002	5	250	Thrice.	1 25 0
Rasoolpurawala..	Rasoolpura ...	Sabdul Khan	Cotton 298	5	200	Twice.	1 9 0
Do.	Do.	Madari Khan.	Barley 317	5	250	Thrice.	1 15 0
Naya-talab ...	Sirinagar ...	Mota ...	Cotton 3190	5	1,800	Twice.	0 20 5
Do.	Do.	Mota ...	Gujji 3141	5	3,141	Thrice.	2 4 0
				Biswansi.			
Bara-talab ...	Balwanta ...	Jiwan ...	Cotton 892	$6\frac{1}{4}$	2,882	Flow thrice.	0 0 0
Loharwarawala..	Loharwara ...	Shambhu ...	Cotton 2171	„	1,732	„ „	0 0 0
Do.	Do.	Shewa s/o Moti	Barley 1663	„	1,217	„ twice.	0 4 8
Ratakherawala...	Derathu ...	Sewa s/o Mota	Cotton 4819	„	1,517	...	0 0 0
Do.	Do.	Roopa ...	Barley 4795	„	1,552	Flow thrice.	0 5 4
Chatwala ...	Chat... ...	Dana ...	Cotton 273	$6\frac{1}{4}$	699	„ „ ...	...
Ratakherawala...	Ratakhera ...	Khushal ...	Barley 163	$6\frac{1}{4}$	312	„ „ ...	0 2 12
Jugpurawala ...	Dhola Danta Derathu ...	Ladoo Ram...	Bejar 237-205	$6\frac{1}{4}$	45	„ „ ...	0 5 0
				Bis.	Yards		
Shamla ...	Jethana ...	Sawai ...	Cotton 681	5	116	Thrice ...	0 32 0
Do.	Do. ...	Kajja Shah ...	Gujji 649	5	251	„ ...	1 12 0
Phulsagar ...	Nagelao ...	Sheo Ram ...	Maize 888	5	25	„ ...	3 0 0
Do.	Do. ...	Maha Ram ...	Wheat 892	5	150	„ ...	2 20 0
Talab-kalan ...	Ramsar ...	Nand Ram ...	Maize 2,117	5	300	Flow ...	1 10 0
Do.	Do. ...	Bhirdha ...	Wheat 904	5	280	„ ...	3 0 0
BEAWAR	TAHSIL.		Big. Ris.				
Kalikankar ...	Lalpura Dhanar	Bhawana ...	Cotton 1 6	5	4,000	Twice ...	0 28 0
Do.	Dholadanta-I ...	Moti ...	Maize 3 3	5	4,475	Once ...	0 22 5
Jalia-II-wala ...	Jalia-II Bas Lala	Chimna ...	Wheat 1 15	5	1,100	4 times ...	0 25 0
Do.	Jalia Bas Roopa	Roopa ...	Gujji 0 $14\frac{1}{2}$	5	900	„ ...	0 30 0
TODGARH	TAHSIL.			B'swansi.			
Roopnagar ...	Kherai-kalan ...	Lakha ...	Barley 1 $4\frac{1}{2}$	$16\frac{1}{2}$	2,772	Flow ...	0 3 12
Do.	Do. ...	Kunpa ...	Wheat 1 $8\frac{1}{2}$	$16\frac{1}{2}$	19,80	„ ...	0 3 12
Nadi Nala ...	Berar ...	Bhera ...	Barley 1 0	$16\frac{1}{2}$	1,600	Well ...	0 4 8
Do.	Do.	Ganga ...	„ 0 10	$16\frac{1}{2}$	1,750	Flow ...	0 4 4
Manela ...	Bagar ...	Niba ...	Wheat 0 $11\frac{1}{2}$	$16\frac{1}{2}$	210	„ ...	0 3 8

STATEMENT VII.

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909-10.

Number.	Name of Villages.	Name of Tank.	Number of Wells: Probably benefitted by Tanks.	Number of Wells: Not benefitted by Tanks.	Average distance of wells from Tank.	Average depth of wells excavated.	Average Depth of Water measured in September 1909: In Tank.	September 1909: In Well.	April 1910: In Tank.	April 1910: In Well.	Average area irrigated by Wells: Kharif.	Average area irrigated by Wells: Rabi.
1	2	3	4	5	6	7	8	9	10	11	12	13
	AJMER TAHSIL.					Ft.	Ft.	Ft.	Ft.	Ft.	Big. Bis.	Big. Bis.
1	Tilornian ...	Tilornianwala ...	3 ...	... 3	1,496 2,326	52 64	1 1	39 53	... ...	33 43	8 9 11 4	12 1 14 13
2	Gowarri ...	Ladpurawala ...	3	...	583	35	3	27	2	27	2 18	6 6
3	Bubaicha ..	Bubaichawala ...	3	...	3,395	71	1	27	...	25	4 11	9 0
4	Ladpura ...	Ladpurawala .	3	...	245	45	3	17	1	19	2 7	7 14
5	Kanpura ..	Ranisagar ...	4	..	863	28	...	8	...	11	...	3 2
	Do. ...	Kanpurawala ...	3	...	895	40	2	11	...	14	...	5 0
6	Srinagar Town.	Naya-talab ...	6	...	180	34	2	17	1	16	...	1 10
7	Jhilaora ...	Do. ...	3	...	233	21	2	9	...	9	...	5 0
8	Kanakheri	Birwala ...	2 ...	... 2	... ...	32 13	1 ...	11 3	... ...	13 3	2 10 ...	5 0 ...
9	Tehari ...	Bhinai ...	3	...	66	19	2	11	...	10	...	...
10	Ajmer ...	Anasagar ...	3 ...	... 3	880 11,894	63 59	5 3	49 23	4 2	36 20	3 0 ...	4 13 0 13
11	Makrera ...	Jadid ...	3 ...	... 3	5,223 2,057	42 26	... ...	26 17	... ...	24 15	4 17 ...	14 16 9 7
12	Kiranipura	Nakawala ...	3 ...	... 3	674 1,395	58 65	2 2	21 12	... ...	15 10	4 0 ...	4 12 2 7
13	Dabrela ...	Dabrelawala ...	3 ...	... 3	536 358	36 31	... ...	... ...	3 3	34 27	... ...	10 0 3 13
14	Ramsar ...	Kalan ...	3 ...	... 3	428 1,178	31 41	... ...	... ...	4 4	28 28	... ...	5 0 3 0
15	Ratakhera	Ratakherawala	... 3	3 ...	1,826 1,183	44 44	4 4	27 24	... ...	23 20	0 10 4 17	1 1 2 16
16	Derathu ...	Bawania ...	3 ...	... 3	1,302 2,062	27 30	2 2	20 19	... ...	18 17	3 9 1 4	10 0 1 15
17	Rajosi ...	Rajosiwala ...	3 ...	... 3	1,881 3,811	29 29	8 8	27 26	2 2	25 22	3 0 2 0	2 15 3 14
18	Nandla ...	Jalia ...	3 ...	... 3	371 4,610	37 27	4 4	32 24	1 1	26 17	1 3 ...	13 7 15 5
19	Balwanta...	Bara-talab ...	3 ...	... 3	426 1,645	25 36	3 3	23 28	... ...	17 17	1 17 3 12	3 12 6 13
20	Lawera ...	Lawerawala ...	3 ...	... 3	543 3,834	29 22	2 2	15 7	... ...	14 7	2 7 0 17	8 7 0 14

STATEMENT VII

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909-10

Number	Name of Village	Name of Tank	Number of Wells: Probably benefitted by Tanks	Number of Wells: Not benefitted by Tanks	Average distance of wells from Tank	Average depth of wells excavated	Average Depth of Water measured in September 1909: In Tank	September 1909: In Well	April 1910: In Tank	April 1910: In Well	Average area Irrigated by Wells: Kharif		Rabi	
1	2	3	4	5	6	7	8	9	10	11	12		13	
	BEAWAR TAHSIL					Ft	Ft	Ft	Ft	Ft	Big	Bis	Big	Bis
1	Kalikankar	Kalil ankarwala	1		531	50	5	15		11			7	1
				1	6 035	47	5	15		2				
2	Lalpura	Lalpurawala	2		6 325	28	5	14		6	7	5	10	16
				2	6,293	39	5	22		11	7	1	4	6
3	Kabra	Kabrawala	3		375	33	3	24		19	1	16	1	4
				3	1 403	70	1	26		17	6	4	6	3
4	Baneori	Baneoriwala	1		14	24	5	22		16	14	19	18	11
				5		43		37		30	8	4	9	5
5	Kotra	Kotrawala	3		194	37	1	16		11	4	16	1	17
				3	1,403	70	1	26		17	6	4	6	13
6	Sonian	Sonianwala	1		624	33		26		15	35	10	36	0
7	Baria	Baria Ajbawala	2		66	33		21		8	7	3	4	12
				1	66	39		24		9	2	16	0	18
8	Chilabar	Chilabarwala	6		847	45	3	12		7	6	15	10	0
9	Nai Kalan	Nai Kalanwala	3		1,038	33	8	13		8	7	10	6	10
10	Jalia-II, Bas Rupa	Jalia II wala	2		278	31		26		15	3	4	0	11
11	Jalia II, Bas Pitha	"	1		792	39		35		17			3	4
				1	858	35		23		15			3	14
12	Lusani II	Lusaniwala	3		259	29	3	15		12	2	17	1	17
				1	254	12	3							
13	Chitar	Chitarwala	3		723	38	7	8		4	12	10	11	18
				3	2,614	34	7	8		4	10	14	4	17
14	Dewatan	Dewatanwala	1		60	36	$\frac{1}{4}$	13		8	15	1		
15	Saroth	Sarothwala	3		1,399	38		6		6			1	0
				3	4,014	28		8		5			2	0
16	Bhuria Khera Khurd	Bhuria Khera Khurd wala	3		2,551	20		6		4			4	3
				3	2,025	25		7		5	1	12	2	5
17	Jawaja	Jawajawala	3		909	43				20			7	0
				3	2,813	44				15			8	0
18	Narbad Khera	Narbadkherawala	3		1,115	31		14		9	0	8	7	5
				3	1,165	56		33		15	5	14	2	0
19	Lotiana	Lotianawala	3		948	37		19		5	9	5	1	5
				3	2,610	36		19		6			3	0
20	Baria Bhau	Baria Bhauwala	2		671	41		24		5	4	1		
				2	2,135	39		19		7				

STATEMENT VII.

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909-10.

Number.	Name of Village.	Name of Tank.	Number of Wells: Probably benefitted by Tanks.	Number of Wells: Not benefitted by Tanks.	Average distance of wells from Tank.	Average depth of wells excavated.	Average Depth of water measured in September 1909: In Tank.	September 1909: In Well.	April 1910: In Tank.	April 1910: In Well.	Average area irrigated by Wells: Kharif.		Rabi.	
1		3	4	5	6	7	8	9	10	11	12		13	
						Ft.	Ft.	Ft.	Ft.	Ft.	Big.	Bis.	Big.	Bis.
21	Sarbina ...	Sarbinawala ...	3	...	23	35	...	12	...	8	1	13	3	6
			...	2	180	43	...	11	...	5	4	17	1	0
22	Naharpura	Naharpurawala	...	3	250	57	...	12	...	12	...		2	5
23	Biliawas ...	Biliawaswala ...	3	...	966	41	...	29	...	10	2	15	4	0
			...	3	6,300	42	...	16	...	5	7	13	2	15
24	Shahpura...	Shahpurawala ...	2	...	65	32	...	11	...	5	11	10	3	10
			...	3	1,116	37	...	11	...	4	...		3	0
25	Nayakhera	Nayakherawala	2	...	75	38	...	15	...	9	6	10	5	0
26	Sangarwas	Sangarwaswala	3	...	237	43	...	17	...	12	5	0	1	0
			...	3	1,932	34	...	12	...	9	0	18	1	0
27	Deokhera...	Deokherawala ...	2	...	502	16	...	6	...	5	...		1	0
			...	3	1,565	48	...	15	...	10	7	0	4	0
28	Ramkhera Dhanar.	Ramkhera Dhanarwala.	...	3	1,382	34	...	19	...	10	13	7	8	0
29	Kalinjar ...	Kalinjarwala ...	...	3	3,166	41	...	7	...	12	2	5	2	0
30	Rajiawas ...	Rajiawaswala ...	3	...	20	25	...	4	...	7	...		...	
			...	3	1,533	43	...	7	...	6	...		...	
31	Raitankhera	Raitankherawala	3	...	717	34	...	3	...	3	3	8	1	0
			...	3	595	37	...	4	...	2	1	13	1	0
32	Andhideori	Andhideori ...	3	...	1,709	33	...	14	...	8	3	17	4	0
			...	3	3,447	38	...	18	...	12	4	15	3	0
33	Pakhariawas	Pakhariawaswala	...	3	1,467	46	...	11	...	10	7	19	5	0
34	Barkhala ...	Barkhalawala ...	3	...	2,764	23	...	6	...	5	2	10	1	15
35	Sedaria ...	Sedariawala ...	3	...	263	45	...	12	...	5	1	19	4	0
36	Atitmand	Atitmandwala ...	1	...	396	41	...	23	...	10	5	16	3	0
			...	1	341	34	...	20	...	15	4	17	4	0
37	Mandera ...	Manderawala ...	2	...	12	21	...	8	...	7	2	12	1	1
			...	1	371	34	...	20	...	15	4	17	4	0
38	Baelan ...	Baelanwala ...	3	...	318	33	...	15	...	10	3	11	...	
			...	3	2,035	40	...	24	...	15	4	16	2	0
39	Nundri Maldeo.	Nundri Maldeowala.	...	3	3,355	41	...	18	...	12	5	12	2	0
40	Balad ...	Baladwala ...	2	...	2,439	29	$\frac{1}{16}$	10	...	6	4	18	2	5
			...	2	5,125	39	$\frac{1}{16}$	17	...	5	12	16	7	0
41	Kaliawas ...	Kaliawaswala ...	2	...	3,967	42	...	14	...	12	5	8	4	0
			...	2	1,559	38	...	13	...	9	4	13	3	0

STATEMENT VII

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909 10

Number	Name of Village	Name of Tank	Number of Wells: Probably benefitted by Tanks	Number of Wells: Not benefitted by Tanks	Average distance of wells from Tank	Average depth of wells excavated	Average Depth of Water measured in September 1909: In Tank	September 1909: In Well	April 1910: In Tank	April 1910: In Well	Average Area Irrigated by Wells: Kharif	Rabi
1	2	3	4	5	6	7	8	9	10	11	12	13
						Ft	Ft	Ft	Ft	Ft	Big Bis	Big Bis
42	Sohawa	Sohawawala	1	3	1 043 790	51 28		6 3		4 2	14 9 0 6	4 0
43	Rampura	Rampurawala	2		330	37		17		7	4 13	3 0
44	Lakhina Panna Baori	Lakhina Panna Baori	1	3	1,833 1,490	57 32		40 11		12 6		3 5 4 10
45	Shamgarh	Shamgarhwala	3	2	496 1,873	39 52		9 5		5 5	1 5 1 13	3 16 3 0
46	Kana Khera	Kanakherawala	3	1	647 572	48 25	¼ ¼	8 6		8 5	1 14	4 0 1 0
47	Lulwa	Lulwawala	3	3	159 3,827	16 45		12 20		4 3	4 12 3 3	2 0 2 0
48	Dungarkhera	Dungarkherawala	3	3	77 354	27 28		12 9		6 4	5 8 3 9	3 10 1 0
49	Kheri ka-khera	Khera ka Khera wala	3	3	577 3,170	30 40		7 7		6 8	4 15 5 9	1 15 1 17
50	Ratanpura ghata	Ratanpuraghata wala	3	1	1,183 950	26 40		8 8		8 10	4 18 4 7	4 10 3 7
51	Sawajna Chenpura	Sawajnawala	1	3	833 1,515	38 37		7 6		11 12	1 8 1 1	1 0 1 0
52	Beawar	Kal	3	3	1,014 227	41 39		12 16		1 3	5 12 8 0	8 10 13 0
53	Bhagwanpura	Bhagwanpurawala	3		1,637	39		11		4	6 5	6 0
54	Joharkhera	Joharkhera	3		937	40		17		3	8 0	3 0
55	Amargarh	Amargarhwala		2	1,536	33		19		6		0 15
56	Jamalpura	Jamalpura	4		267	35		13		10	3 10	3 15
57	Rupnagar	Rupnagar		3	3,052	46		25		8	4 0	5 3
58	Dungarkhera	Dungarkherawala	1		252	38		7		5	4 1	4 0
59	Thikrana Medratan	Thikaranawala		2	630	24		5		2	6 0	0 9
60	Ratanpura Sardara	Ratanpurawala		2	751	45		10		5	9 10	10 6
61	Barkhala	Barkhala	3		685	32		14		9	4 3	1 0
62	Fatehgarh Salla	Fatehgarh	4		1,101	26		10				3 0
63	Sargaon	Sargaon	3		1,293	41		13				0

STATEMENT VII.

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909-10.

Number.	Name of Village.	Name of Tank.	Number of Wells: Probably benefitted by Tanks.	Number of Wells: Not benefitted by Tanks.	Average distance of wells from Tank.	Average depth of wells excavated.	Average Depth of water measured in September 1909: In Tank.	Average Depth of water measured in September 1909: In Well.	Average Depth of water measured in April 1910: In Tank.	Average Depth of water measured in April 1910: In Well.	Average Area Irrigated by Wells: Kharif.		Average Area Irrigated by Wells: Rabi.	
1		3	4	5	6	7	8	9	10	11	12		13	
						Ft.	Ft.	Ft.	Ft.	Ft.	Big.	Bis.	Big.	Bis.
21	Sarbina ...	Sarbinawala ...	3	...	23	35	...	12	...	8	1	13	3	6
			...	2	180	43	...	11	...	5	4	17	1	0
22	Naharpura	Naharpurawala	...	3	250	57	...	12	...	12	...		2	5
23	Biliawas ...	Biliawaswala ...	3	...	966	41	...	29	...	10	2	15	4	0
			...	3	6,300	42	...	16	...	5	7	13	2	15
24	Shahpura...	Shahpurawala ...	2	...	65	32	...	11	...	5	11	10	3	10
			...	3	1,116	37	...	11	...	4	...		3	0
25	Nayakhera	Nayakherawala	2	...	75	38	...	15	...	9	6	10	5	0
26	Sangarwas	Sangarwaswala	3	...	237	43	...	17	...	12	5	0	1	0
			...	3	1,932	34	...	12	...	9	0	18	1	0
27	Deokhera...	Deokherawala ...	2	...	502	16	...	6	...	5	...		1	0
			...	3	1,565	48	...	15	...	10	7	0	4	0
28	Ramkhera Dhanar.	Ramkhera Dhanarwala.	...	3	1,382	34	...	19	...	10	13	7	8	0
29	Kalinjar ...	Kalinjarwala ...	...	3	3,166	41	...	7	...	12	2	5	2	0
30	Rajiawas ...	Rajiawaswala ...	3	...	20	25	...	4	...	7	...		...	
			...	3	1,533	43	...	7	...	6	...		...	
31	Raitankhera	Raitankherawala	3	...	717	34	...	3	...	3	3	8	1	0
			...	3	595	37	...	4	...	2	1	13	1	0
32	Andhideori	Andhideori ...	3	...	1,709	33	...	14	...	8	3	17	4	0
			...	3	3,447	38	...	18	...	12	4	15	3	0
33	Pakhariawas	Pakhariawaswala	...	3	1,467	46	...	11	...	10	7	19	5	0
34	Barkhala ...	Barkhalawala ...	3	...	2,764	23	...	6	...	5	2	10	1	15
35	Sedaria ...	Sedariawala ...	3	...	263	45	...	12	...	5	1	19	4	0
36	Atitmand	Atitmandwala ...	1	...	396	41	...	23	...	10	5	16	3	0
			...	1	341	34	...	20	...	15	4	17	4	0
37	Mandera ...	Manderawala ...	2	...	12	21	...	8	...	7	2	12	1	1
			...	1	371	34	...	20	...	15	4	17	4	0
38	Baelan ...	Baelanwala ...	3	...	318	33	...	15	...	10	3	11	...	
			...	3	2,035	40	...	24	...	15	4	16	2	0
39	Nundri Maldeo.	Nundri Maldeowala.	...	3	3,355	41	...	18	...	12	5	12	2	0
40	Balad ...	Baladwala ...	2	...	2,439	29	$\frac{1}{16}$	10	...	6	4	18	2	5
			...	2	5,125	39	$\frac{1}{16}$	17	...	5	12	16	7	0
41	Kaliawas ...	Kaliawaswala ...	2	...	3,967	42	...	14	...	12	5	8	4	0
			...	2	1,559	38	...	13	...	9	4	13	3	0

STATEMENT VII

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909 10

Number	Name of Village	Name of Tank	Number of Wells: Probably benefitted by Tanks	Number of Wells: Not benefitted by Tanks	Average distance of wells from Tank	Average depth of wells excavated	Average Depth of Water measured in September 1909: In Tank	September 1909: In Well	April 1910: In Tank	April 1910: In Well	Average Area Irrigated by Wells: Kharif		Rabi	
1	2	3	4	5	6	7	8	9	10	11	12		13	
						F	Ft	Ft	Ft	Ft	Big	Bis	Big	Bis
42	Sohawa	Sohawawala	1		1,043	51		6		4	14	9	4	0
				3	790	28		8		2	0	6		
43	Rampura	Ramputawala	2		330	37		17		7	4	13	3	0
44	Lakhina Panna Baori	Lakhina Panna Baori	1		1,833	57		40		12			3	5
				3	1,499	32		11		6			4	10
45	Shamgarh	Shamgarhwala	3		126	39		9		5	1	5	3	16
				2	1,873	52		5		5	1	13	3	0
46	Kana Khera	Kanakherawala	3		647	48	¼	8		8	1	14	4	0
				1	372	25	¼	6		5			1	0
47	Lulwa	Lulwawala	3		459	46		12		4	4	12	2	0
				3	3,827	45		20		3	3	3	2	0
48	Dungarkhera	Dungarkherawala	3		77	27		12		6	15	8	3	10
				3	354	28		9		4	3	9	1	10
49	Kheri ka-khera	Khera ka Khera wala	3		577	30		7		6	4	15	1	15
					3,170	40		7		8	5	9	1	17
50	Ratanpura ghata	Ratanpuraghata wala	3		1,183	26		8		8	4	18	4	10
				1	950	40		8		10	4	7	3	7
51	Sawajna Chenpura	Sawajnawala	1		333	38		7		11	1	8	1	0
				3	1,515	37		6		12	1	1	1	10
52	Beawar	Kal	3		1,014	41		12		1	5	12	8	10
				3	227	39		16		8	8	0	13	10
53	Bhagwanpura	Bhagwanpurawala	3		1,637	39		11		4	6	5	6	10
54	Joharkhera	Joharkhera	3		937	40		17		3	8	0	3	0
55	Amargarh	Amargarhwala		2	1,536	33		19		6			0	15
56	Jamalpura	Jamalpura	4		267	35		13		10	3	10	3	15
57	Rupnagar	Rupnagar		3	3,052	46		25		8	4	0	5	3
58	Dungarkhera	Dungarkherawala	1		252	38		7		5	4	1	4	0
59	Thikrana Medratan	Thikaranawala		2	630	24		5		2	6	0	0	9
60	Ratanpura Sardara	Ratanpurawala		2	751	45		10		5	9	10	10	6
61	Barkhala	Barkhala	3		685	32		14		9	4	3	1	0
62	Fatehgarh Salla	Fatehgarh	4		1,101	26		10		6			3	0
63	Sargaon	Sargaon	3		1,293	41		13		7	12	0	9	0

STATEMENT VII

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909 10

Number	Name of Village	Name of Tank	Number of Wells: Probably benefitted by Tanks	Number of Wells: Not benefitted by Tanks	Average distance of wells from Tank	Average depth of wells excavated		Average Depth of Water measured in September 1909: In Tank	Average Depth of Water measured in September 1909: In Well		Average Depth of Water measured in April 1910: In Tank	Average Depth of Water measured in April 1910: In Well		Average Area Irrigated by Wells: Kharif		Average Area Irrigated by Wells: Rabi	
1		3	4	5	6	7		8	9		10	11		12		13	
						Ft		Ft	Ft	In	Ft	Ft	In.	Big	Bis	Big	Bis
17	Berar	Nadi Nala	3		990	50	8	Full	29	0	½ full	27	0	4	1	5	2
				3	1,233	47	16	„	23	0	„	25	0	1	7	6	5
18	Mandlan	Bhim	3		2,771	36	0	„	25	0	„	7	0			12	16
				3	7,216	32	8	„	31	0	„	9	0			4	15
19	Do	Mola Kanker	3		3,199	44	0	„	38	0	„	9	0			5	11
20	Do	Phutel		3	7,146	38	8	„	33	0	„	7	0	1	12	3	18
21	Kukerkhera	Debi Sagar	3		365	59	8	„	46	0	„	5	0	4	18	8	16
				3	1,357	53	0	„	33	0	„	27	0	1	2	6	0
22	Bara Khan	Kheronja	1		525	39	0	„	18	0	„	9	0	3	0	3	0
				1	1,177	39	0	„	18	0	„	12	0				
23	Gogola	Bhim Gogola	3		343	26	4	„	12	0	„	9	0	3	8	3	8
				1	822	37	0	„	16	0	„	13	0				

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BRIJ JEWAN LALL,

Revenue Extra Assistant Commissioner,
Ajmer Merwara